

Moving from Crystal Reports 10 to SQL Server 2000 Reporting Services

Making the Decision/Transition
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Making the Decision

1. Determining Needs

2. Evaluating Software

3. Evaluating Hardware

4. Evaluating Resources



Determining Your Needs

- ❖ Hardware Used to House Reports
- ❖ Number of End Users
- ❖ Number of Developers Creating Reports
- ❖ Expected Delivery Method for Reports
- ❖ What RDBMS Will Be Used for the Reporting Database Engine
- ❖ What Reporting Software is Currently Licensed



Hardware

❖ Solutions That Scale

- The Cost of SQL Server Increases in Clustered Deployment
- The Cost of Crystal Enterprise (Crystal Enterprise) Remains the Same



Licensing – Medium to Large Deployments

Report Designer

- ❖ Crystal Reports Designer
 - \$595 Per User
 - \$2826 When Purchased in Groups of Five (a savings of \$149 per five licenses)
- ❖ Reporting Services Plug-in for Visual Studio .NET
 - Free for Licensed Visual Studio .NET Users
 - Visual Studio .NET Licensing - \$2,500 Per User

Web Based Report Distribution (Single Server Deployment - Dual Processor)

- ❖ Crystal Enterprise Professional
 - \$138,000 (\$69K/proc) or
 - \$750 per user available (break even at 184 users)
- ❖ SQL Server 2000 Standard Edition (Includes Reporting Services)
 - \$10,000 (\$5K/proc)

*note that volume licensing agreements yield larger discounts for SQL Server than Crystal

CR and RS Side by Side

| | Single Server Dual Processor | Clustered Deployment Two Dual Processor Servers | Developer Tools for Five Developers |
|--|------------------------------------|---|---|
| Crystal Enterprise and Crystal Reports | \$138,000 (\$69K/Proc) | \$138,000 (\$69K/Proc) | \$2,826 |
| SQL Server 2000 With Reporting Services with VS .NET | \$10,000 (\$5K/Proc) | \$80,000 (\$20K/Proc) | \$0 (Purchase VS .NET \$12,500) |



Number of Users

- ❖ Number of Internal Users
- ❖ Number of External Users
- ❖ Potential Growth



Number of Developers

- ❖ Crystal Report Developers
- ❖ .NET Application Developers

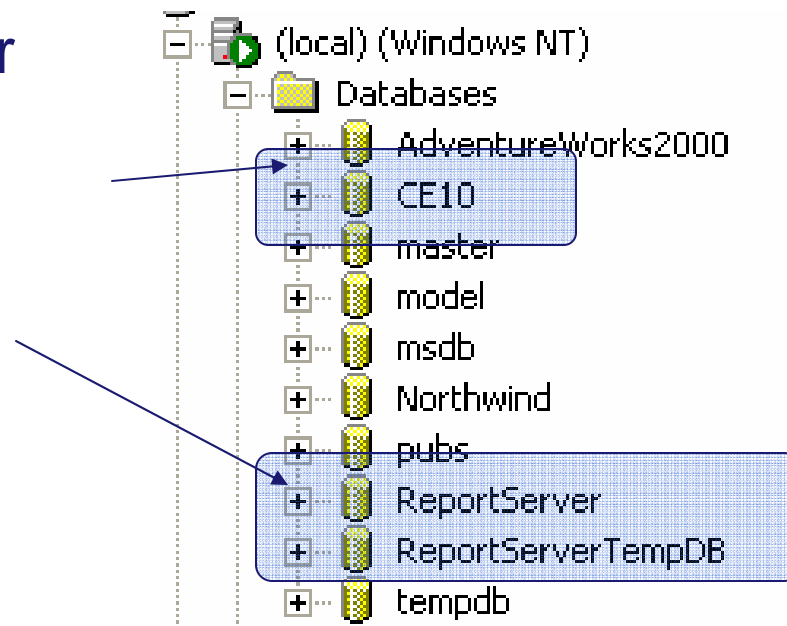


Expected Delivery Method

- ❖ Email
- ❖ Manual
- ❖ Web Based

Reporting Database Engine

- ❖ What Software Do You Own?
- ❖ Supported RDBMS – Crystal Enterprise
 - Installs on a variety of platforms
- ❖ Supported RDBMS – Reporting Services
 - Installs on SQL Server
- ❖ Databases Installed
 - Crystal Ent.
 - CE10
 - Reporting Services
 - ReportServer
 - ReportServerTempDB





Dispelling the Myths

- ❖ Myth: Reporting Services Has Only 75% of the Functionality of Crystal Reports
- ❖ Myth: Reporting Services Is Not Free When Configured Per Microsoft Recommendation
- ❖ Myth: Reporting Services Is An Immature Product



Making the Transition

1. Installation Differences

2. Key Differences

3. Migrating Your Environment



Installation Differences

- ❖ Prerequisites Crystal Enterprise
 - Windows Server With IIS
- ❖ Prerequisites Reporting Services
 - Windows Server With IIS
 - Microsoft .NET Framework



Key Differences

- ❖ Connectivity
- ❖ Query Design
- ❖ Banded vs. Data Region
- ❖ Parameters
- ❖ Running Totals
- ❖ Formulas
- ❖ Grouping
- ❖ Formatting
- ❖ Report Management and Security

Key Differences - Connectivity

| Reporting Services | Crystal Reports |
|--|-------------------------------|
| Crystal Decisions Closed Integrator Base | Access/Excel (DAO) |
| Crystal Decisions Closed XML ADO Provider | ACT! |
| Media Catalog DB OLE DB Provider | ADO.NET (XML) |
| Media Catalog Merged DB OLE DB Provider | COM Connectivity |
| Microsoft Jet 4.0 OLE DB Provider | Database Files |
| Microsoft OLE DB Provider For Data Mining Services | Exchange Folders/Address Book |
| Microsoft OLE DB Provider for Indexing Services | Field Definitions Only |
| Microsoft OLE DB Provider for Internet Publishing | File System Data |
| Microsoft OLE DB Provider for Microsoft Search | Java Beans Connectivity |
| Microsoft OLE DB Provider for ODBC Drivers | Mailbox Admin |
| Microsoft OLE DB Provider for Olap Services 8.0 | Message Tracking Log |
| Microsoft OLE DB Provider for Oracle | Microsoft CRM |
| Microsoft OLE DB Provider for Outlook Search | MS IIS/Proxy Log Files |
| Microsoft OLE DB Provider for SQL Server | NT Archived Event Log |
| Microsoft OLE DB Simple Provider | NT Current Event Log |
| Microsoft Project 11.0 OLE DB Provider | ODBC (RDO) |
| MS Data Shape | OLE DB (ADO) |
| OLE DB Provider for Microsoft Directory Services | Outlook |
| SQL Server Replication OLE DB Provider for DTS | Public Folder ACL |
| VSEE Versioning Enlistment Manager Proxy Data Source | Public Folder Replica |
| | Web/IIS Log Files |
| | xBase |



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Migrating Your Environment

- ❖ Report Design
- ❖ Version Control
- ❖ Security Considerations
- ❖ Report Management Folder Structure
- ❖ Scheduling Reports



RS Shortcomings

- ❖ Ability to Edit Report in Preview
- ❖ Ability to Print Report in Designer
- ❖ Lack of Date Picker in Parameter
- ❖ Doesn't Natively Render to MS Word



The RS Advantage

- ❖ A Reporting Technology Based on Years of Reporting Tool Development